

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P743108

Luminaire Tested: LD4D15D010-EU4DR300215IC9024-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P743108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR300215IC9024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1201.3 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



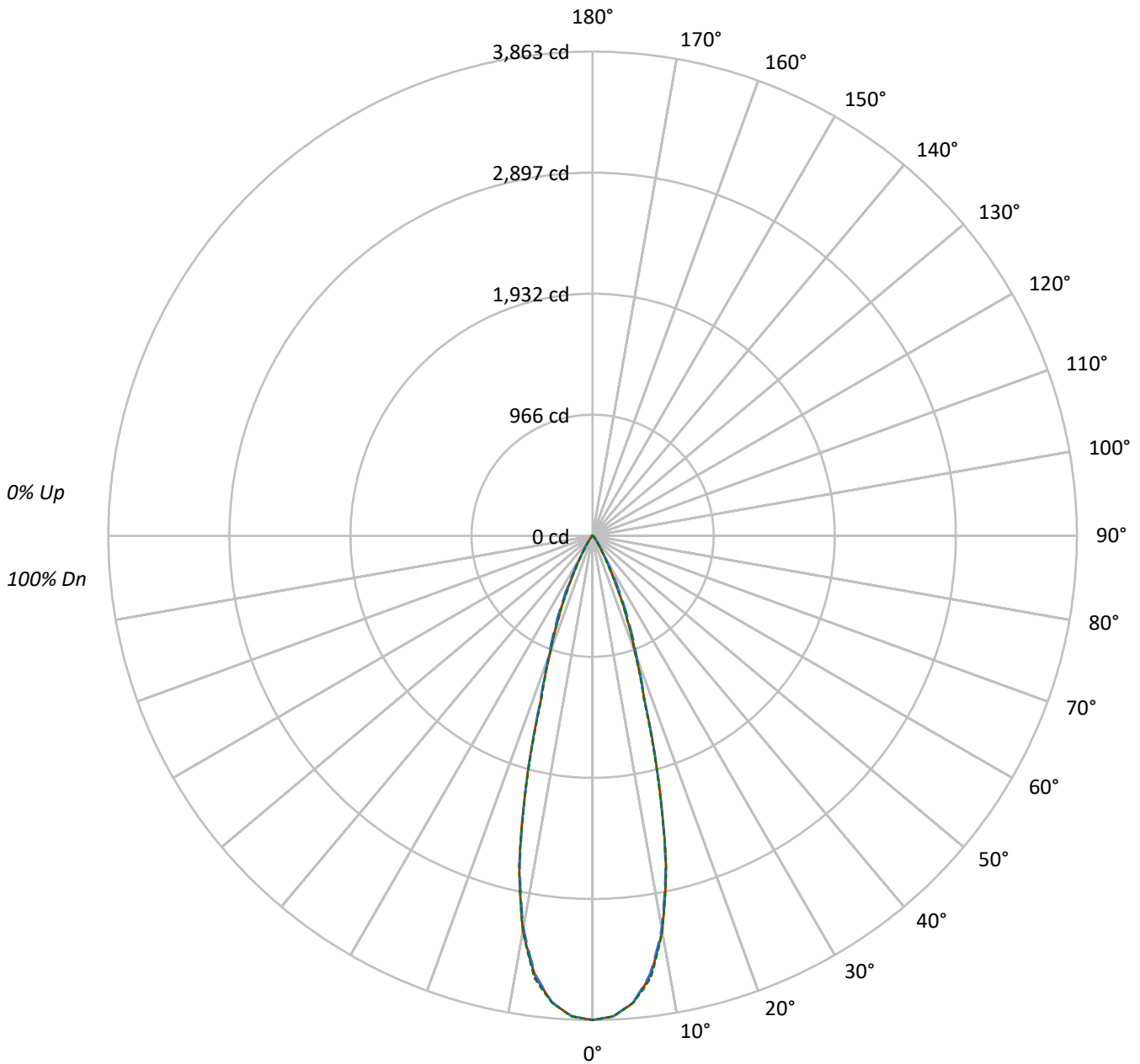
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	295664	295664	295664
5°	287174	286836	287189
10°	248733	246976	248679
15°	162291	161419	160603
20°	80698	83728	80592
25°	40649	45843	39821
30°	16272	17730	14177
35°	7550	7223	6064
40°	3257	3617	3068
45°	2306	2858	2317
50°	786	2084	834
55°	454	867	480
60°	321	383	321
65°	199	199	199
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2858 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.7	28.3
10°-20°	547.0	45.5
20°-30°	236.4	19.7
30°-40°	53.9	4.5
40°-50°	18.5	1.5
50°-60°	4.5	0.4
60°-70°	1.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1123.1	93.5
0°-40°	1176.9	98.0
0°-60°	1200.0	99.9
0°-90°	1201.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3863	3863	3863	3863	3863	
5°	3738	3734	3733	3741	3738	340
15°	2048	2023	2037	2030	2027	548
25°	481	500	543	487	472	230
35°	81	82	77	77	65	55
45°	21	26	26	26	21	15
55°	3	4	6	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3862.7	3862.7	3862.7	3862.7	3862.7
2.5°	3837.1	3834.4	3835.9	3837.8	3838.5
5°	3737.5	3733.9	3733.1	3740.9	3737.7
7.5°	3536.7	3531.6	3523.8	3541.4	3557.9
10°	3200.2	3194.5	3177.6	3186.0	3199.5
12.5°	2703.5	2685.1	2684.8	2711.3	2707.7
15°	2048.0	2023.3	2037.0	2030.3	2026.7
17.5°	1377.2	1367.7	1385.9	1380.4	1356.7
20°	990.7	993.2	1027.9	1010.4	989.4
22.5°	722.9	731.8	773.0	728.0	711.5
25°	481.3	499.5	542.8	486.8	471.5
27.5°	296.0	304.4	348.2	292.3	283.9
30°	184.1	180.0	200.6	172.2	160.4
32.5°	120.8	115.5	122.2	109.6	100.2
35°	80.8	82.5	77.3	76.8	64.9
37.5°	50.4	58.0	51.2	54.6	41.7
40°	32.6	42.1	36.2	40.0	30.7
42.5°	26.8	32.4	29.8	31.7	27.3
45°	21.3	26.4	26.4	26.4	21.4
47.5°	11.7	17.6	22.6	18.0	12.5
50°	6.6	8.9	17.5	9.3	7.0
52.5°	4.5	5.1	12.0	5.3	4.8
55°	3.4	3.6	6.5	3.8	3.6
57.5°	2.6	2.9	3.4	2.9	2.6
60°	2.1	2.1	2.5	2.3	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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